

## INTERNATIONAL SEARCH REPORT

International application No.  
PCT/KR03/02338**A. CLASSIFICATION OF SUBJECT MATTER**

IPC7 G06F 17/60

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)

IPC G06F 17/60

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched  
Korean patents and applications for inventions since 1975 and Korean utility models and applications for utility models since 1975  
Japanese utility models and applications for utility models since 1975

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

| Category* | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|-----------|--|-----------------------|
| Y         | KR 2000-53683 A (Kim Sun Min) 5 SEPTEMBER 2000<br>see the abstract and claims      | 1-9                   |
| Y         | KR 2001-97247 A (Baek Jin Wook) 8 NOVEMBER 2001<br>see the whole document          | 1-2,9                 |
| A         | KR 2001-29173 A (Kim You Shin) 6 APRIL 2001<br>see the abstract and claims         | 1-2,9                 |

☐ Further documents are listed in the continuation of Box C.☐ See patent family annex.

\* Special categories of cited documents:  
"A" document defining the general state of the art which is not considered to be of particular relevance  
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"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone  
"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art  
"&" document member of the same patent family

Date of the actual completion of the international search

18 DECEMBER 2003 (18.12.2003)

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19 DECEMBER 2003 (19.12.2003)

Name and mailing address of the ISA/KR

Korean Intellectual Property Office  
920 Dunsan-dong, Seo-gu, Daejeon 302-701,  
Republic of Korea

Facsimile No. 82-42-472-7140

Authorized officer

KANG, Gab Youn

Telephone No. 82-42-481-5914

